

## General

### Title

Preoperative evaluation: percentage of patients age two years and older undergoing elective non-high-risk surgery having laboratory tests/imaging unrelated to positive findings on preoperative history and physical examination.

### Source(s)

Institute for Clinical Systems Improvement (ICSI). Preoperative evaluation. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2010 Jun. 40 p. [26 references]

## Measure Domain

### Primary Measure Domain

#### Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### Secondary Measure Domain

Does not apply to this measure

## Brief Abstract

### Description

This measure is used to assess the percentage of patients age two years and older undergoing elective non-high-risk surgery having laboratory tests/imaging unrelated to positive findings on preoperative history and physical examination.

### Rationale

The priority aim addressed by this measure is to eliminate diagnostic tests performed without clinical indications.

## Primary Clinical Component

Elective non-high-risk surgery; preoperative history and physical examination; unrelated laboratory tests/imaging

## Denominator Description

Number of patients (age two and older) undergoing elective non-high-risk surgery (see the related "Denominator Inclusions/Exclusions" field)

## Numerator Description

Number of patients having laboratory tests/imaging unrelated to positive findings on preoperative history and physical examination

## Evidence Supporting the Measure

### Evidence Supporting the Criterion of Quality

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

## Evidence Supporting Need for the Measure

### Need for the Measure

Unspecified

## State of Use of the Measure

### State of Use

Current routine use

### Current Use

Internal quality improvement

## Application of Measure in its Current Use

### Care Setting

Physician Group Practices/Clinics

## Professionals Responsible for Health Care

Physicians

## Lowest Level of Health Care Delivery Addressed

Group Clinical Practices

## Target Population Age

Age greater than or equal to 2 years

## Target Population Gender

Either male or female

## Stratification by Vulnerable Populations

Unspecified

# Characteristics of the Primary Clinical Component

## Incidence/Prevalence

Unspecified

## Association with Vulnerable Populations

Unspecified

## Burden of Illness

Unspecified

## Utilization

Unspecified

## Costs

Unspecified

# Institute of Medicine (IOM) Healthcare Quality Report Categories

## IOM Care Need

Getting Better

## IOM Domain

Effectiveness

# Data Collection for the Measure

## Case Finding

Users of care only

## Description of Case Finding

All patients (age two and older) undergoing elective non-high-risk surgical procedures

Patients who have had a non-high-risk elective surgery within the preceding month can be randomly sampled to produce a list of at least 30 records for review. Selected records are audited using a check-list tool to determine whether all components of the assessment detailed in the guideline (refer to the National Guideline Clearinghouse [NGC] summary of the Institute for Clinical Systems Improvement [ICSI] guideline [Preoperative Evaluation](#) ) were documented in the chart prior to the scheduled surgical date.

For more effective tracking of process improvement, data should be collected monthly.

## Denominator Sampling Frame

Patients associated with provider

## Denominator Inclusions/Exclusions

### Inclusions

Number of patients (age two and older) undergoing elective non-high-risk surgery\*

\*Elective non-high-risk surgery includes planned, scheduled, non-emergent surgical procedures that allow time for a scheduled preoperative health assessment.

### Exclusions

Patients younger than two years of age

High-risk procedures, such as cardiac or procedures anticipated to be prolonged (usually greater than two hours), are not included.

## Relationship of Denominator to Numerator

All cases in the denominator are equally eligible to appear in the numerator

## Denominator (Index) Event

Institutionalization

Therapeutic Intervention

## Denominator Time Window

Time window brackets index event

## Numerator Inclusions/Exclusions

### Inclusions

Number of patients having laboratory tests/imaging unrelated to positive findings on preoperative history and physical examination

### Exclusions

Unspecified

## Measure Results Under Control of Health Care Professionals, Organizations and/or Policymakers

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

## Numerator Time Window

Episode of care

## Data Source

Administrative data

Medical record

## Level of Determination of Quality

Individual Case

## Pre-existing Instrument Used

Unspecified

## Computation of the Measure

## Scoring

Rate

## Interpretation of Score

Better quality is associated with a lower score

## Allowance for Patient Factors

Unspecified

## Standard of Comparison

Internal time comparison

## Evaluation of Measure Properties

### Extent of Measure Testing

Unspecified

## Identifying Information

### Original Title

Percentage of patients age two years and older undergoing elective non-high-risk surgery having laboratory tests/imaging unrelated to positive findings on preoperative history and physical examination.

### Measure Collection Name

Preoperative Evaluation Measures

### Submitter

Institute for Clinical Systems Improvement - Nonprofit Organization

### Developer

Institute for Clinical Systems Improvement - Nonprofit Organization

### Funding Source(s)

The following Minnesota health plans provide direct financial support: Blue Cross and Blue Shield of Minnesota, HealthPartners, Medica, Metropolitan Health Plan, PreferredOne, and UCare Minnesota. In-kind support is provided by the Institute for Clinical Systems Improvement's (ICSI) members.

### Composition of the Group that Developed the Measure

*Work Group Members:* David Danielson, MD (Work Group Leader) (Mayo Clinic) (Anesthesiology); Steven Thompson, PA-C (Mayo Clinic) (Anesthesiology); Charles Boback, MD (Stillwater Medical Group and Lakeview Hospital) (Family Medicine); William Sypura, MD (Fairview Health Services) (Family Medicine); Peter Rothe, MD (HealthPartners Medical Group) (Internal Medicine); Jerry Stultz, MD (HealthPartners Medical Group) (Pediatrics); Kevin Bjork, MD (Stillwater Medical Group and Lakeview Hospital) (Surgery); Joann Foreman, RN (Institute for Clinical Systems Improvement) (Facilitator); Janet Jorgenson-Rathke, PT, MA (Institute for Clinical Systems Improvement) (Facilitator)

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## Adaptation

Measure was not adapted from another source.

## Release Date

2010 Jun

## Measure Status

This is the current release of the measure.

## Source(s)

Institute for Clinical Systems Improvement (ICSI). Preoperative evaluation. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2010 Jun. 40 p. [26 references]

## Measure Availability

The individual measure, "Percentage of Patients Age Two Years and Older Undergoing Elective Non-high-risk Surgery Having Laboratory Tests/Imaging Unrelated to Positive Findings on Preoperative History and Physical Examination," is published in "Health Care Guideline: Preoperative Evaluation." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#) .

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org) ; e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC Status

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